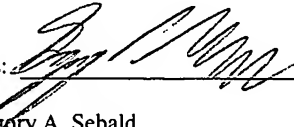


|   |   |   |  |
|---|---|---|--|
| FORM PTO-1390<br>(REV 10-94)  |   | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTORNEY'S DOCKET NUMBER<br>12114.0004USWO                                     |
| TRANSMITTAL LETTER TO THE UNITED STATES<br>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br>CONCERNING A FILING UNDER 35 U.S.C. 371  |   |   | U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)<br>Unknown <b>10/582573</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/NL2004/000860  | INTERNATIONAL FILING DATE<br>10 December 2004 | PRIORITY DATE CLAIMED<br>12 December 2003               |  |
| TITLE OF INVENTION<br>COUPLING FOR PATCH ANTENNAS   |   |   |  |
| APPLICANT(S) FOR DO/EO/US<br>Patrick Walter Joseph DIJKSTRA   |   |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:   |   |   |  |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(I).</li> <li>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</li> </ol> </li> <li>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An unsigned oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> |   |   |  |
| <b>Items 11. to 16. below concern document(s) or information included:</b>  |   |   |  |
| 11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.  |   |   |  |
| 12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.  |   |   |  |
| 13. <input type="checkbox"/> A FIRST preliminary amendment.   |   |   |  |
| <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.  |   |   |  |
| 14. <input checked="" type="checkbox"/> A substitute specification.   |   |   |  |
| 15. <input type="checkbox"/> A change of power of attorney and/or address letter.   |   |   |  |
| 16. <input checked="" type="checkbox"/> Other items or information: Application Data Sheet, Communication Regarding Substitute Specification, Marked-up Copy of Substitute Specification  |   |   |  |

|  |              |   |            |  |        |
|--|--------------|---|------------|--|--------|
| U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)<br>Unknown <b>10/582573</b>   |              | INTERNATIONAL APPLICATION NO.<br>PCT/NL2004/000860                            |            | ATTORNEY'S DOCKET NUMBER<br>12114.0004USWO   |        |
| <b>BASIC NATIONAL FEE (37 CFR 1.492(a) (1)-(5)):</b>   |              |   |            |  |        |
| [X] a) Basic National fee.....\$300.00   |              |   |            | \$300.00   |        |
| [X] b) Examination fee.....\$200.00  |              |   |            | \$200.00   |        |
| [X] c) Search fee.....\$500.00   |              |   |            | \$500.00   |        |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |   |            | <b>\$1000.00</b>   |        |
| Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  |              |   |            |  |        |
| Total Sheets   | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | Rate       |  |        |
| 9 - 100 =  | 0 / 50 =     |   | X \$250.00 | \$0.00   |        |
| Surcharge of \$130.00 for furnishing the oath or declaration later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(e)).  |              |   |            | \$0.00   |        |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA  | RATE       |  |        |
| Total claims   | 9 - 20 =     | 0   | X \$50.00  | \$0.00   |        |
| Independent claims   | 1 - 3 =      | 0   | X \$200.00 | \$0.00   |        |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable)  |              |   | + \$360.00 | \$0.00   |        |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |   |            | <b>\$1000.00</b>   |        |
| Reduction by 1/2 for filing by small entity, if applicable. Small entity status is claimed pursuant to 37 CFR 1.27   |              |   |            | \$0.00   |        |
| <b>SUBTOTAL =</b>  |              |   |            | <b>\$1000.00</b>   |        |
| Processing fee of \$130.00 for furnishing the English translation later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).   |              |   |            | + \$0.00   |        |
| <b>TOTAL NATIONAL FEE =</b>  |              |   |            | <b>\$1000.00</b>   |        |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property   |              |   |            | + \$0.00   |        |
| <b>TOTAL FEES ENCLOSED =</b>   |              |   |            | <b>\$1000.00</b>   |        |
|  |              |   |            | Amount to be: refunded   | \$0.00 |
|  |              |   |            | charged  | \$0.00 |
| a. [X] Check(s) in the amount of <u>\$1000.00</u> to cover the above fees is enclosed.<br>b. [ ] Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees.<br>A duplicate copy of this sheet is enclosed.<br>c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>13-2725</u> . |              |   |            |  |        |
| <b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b>   |              |   |            |  |        |
| SEND ALL CORRESPONDENCE TO:<br>Gregory A. Sebald<br>MERCHANT & GOULD<br>P.O. Box 2903<br>Minneapolis, MN 55402-0903  |              |   |            |  |        |
|  |              |   |            | SIGNATURE:  |        |
|  |              |   |            | NAME: Gregory A. Sebald  |        |
|  |              |   |            | REGISTRATION NUMBER: 33,280  |        |

10/582573

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Patrick Walter Joseph DIJKSTRA  
 Docket: 12114.0004USWO  
 Title: COUPLING FOR PATCH ANTENNAS

IAP12 Rec'd PCT/PTO 12 JUN 2006

## CERTIFICATE UNDER 37 CFR 1.10:

"Express Mail" mailing label number: EV 628409785 US

Date of Deposit: 12 June 2006

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Mail Stop: PCT, Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450.

By:   
 Name: John Dijkstra

Mail Stop PCT  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450

Sir:

We are transmitting herewith the attached:


- ☒ Transmittal sheet, in duplicate, containing Certificate under 37 CFR 1.10.
- ☒ National Stage PCT /NL2004/000860 Patent Application: Substitute Specification.  
 5 pgs; 9 claims; Abstract 1 pgs.  
 The fee has been calculated as shown below in the 'Claims as Filed' table.
- ☒ 2 sheets of formal drawings
- ☒ Form 1390
- ☒ An unsigned Combined Declaration and Power of Attorney
- ☒ A check in the amount of \$1000.00 to cover the Filing Fee
- ☒ Application Data Sheet, 3 pages.
- ☒ Other: Marked-up Copy of Specification, Communication Regarding Substitute Specification, International Publication Application WO 2005/057728 A1, International Publication Page WO 2005/057728 A1 with attached Amended Sheet
- ☒ Return postcard

## CLAIMS AS FILED

| Number of Claims Filed        | No. | In Excess of | Extra | Rate   | Fee       |
|-------------------------------|-----|--------------|-------|--------|-----------|
| Total Claims                  | 9   | 20           | 0     | 50.00  | = 0.00    |
| Independent Claims            | 1   | 3            | 0     | 200.00 | = 0.00    |
| Multiple Dependent Claims Fee |     |              |       |        | = 0.00    |
| Basic Filing Fee              |     |              |       |        | = 300.00  |
| Search Fee                    |     |              |       |        | = 500.00  |
| Examination Fee               |     |              |       |        | = 200.00  |
| Utility Application Size Fee  | 9   | 100          | 0     | 250.00 | = 0.00    |
| Total                         |     |              |       |        | = 1000.00 |

Please charge any additional fees or credit overpayment to Deposit Account No. 13-2725. A duplicate of this sheet is enclosed.

Merchant & Gould P.C.  
 P.O. Box 2903 Minneapolis, MN 55402-0903  
 612.332.5300

By:   
 Name: Gregory A. Sebald  
 Reg. No.: 33,280  
 Initials: GAS/cjc

23552

PATENT TRADEMARK OFFICE

(PTO TRANSMITTAL - NEW FILING)

10/582573

S/N Unknown

IAP12 Rec'd PCT/PTO 12 JUN 2006 PATENT

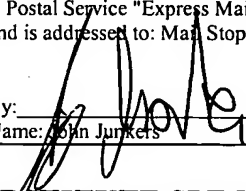
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

|             |                             |                 |                |
|-------------|-----------------------------|-----------------|----------------|
| Applicant:  | DIJKSTRA                    | Examiner:       | Unknown        |
| Serial No.: | Unknown                     | Group Art Unit: | Unknown        |
| Filed:      | Herewith                    | Docket No.:     | 12114.0004USWO |
| Title:      | COUPLING FOR PATCH ANTENNAS |                 |                |

CERTIFICATE UNDER 37 CFR 1.10:

"Express Mail" mailing label number: EV 628409785 US  
 Date of Deposit: 12 June 2006

I hereby certify that this paper or fee is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Mail Stop: PCT, Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450.

By:   
 Name: John Junkers

COMMUNICATION REGARDING SUBSTITUTE SPECIFICATION

Mail Stop PCT  
 Commissioner for Patents  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Dear Sir:

Applicants enclose herewith a Substitute Specification, which is based on the Article 19 amendments, filed on 14 June 2005. A marked-up copy of the application is enclosed as well as the originally filed PCT specification.

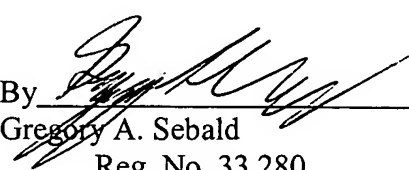
If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Applicants' primary attorney-of record, Gregory A. Sebald (Reg. No. 33,280), at (612) 336-4728.

Respectfully submitted,

MERCHANT & GOULD P.C.  
 P.O. Box 2903  
 Minneapolis, Minnesota 55402-0903  
 (612) 332-5300



Dated: 12 June 2006

By:   
 Gregory A. Sebald  
 Reg. No. 33,280

GAS/cjc